

Title (en)

METHOD OF ADSORPTION OF IONS FROM A DIALYSIS FLUID

Title (de)

VERFAHREN ZUR ADSORPTION VON IONEN AUS EINER DIALYSEFLÜSSIGKEIT

Title (fr)

PROCÉDÉ D'ADSORPTION D'IONS À PARTIR D'UN LIQUIDE DE DIALYSE

Publication

**EP 2922586 A1 20150930 (EN)**

Application

**EP 13856429 A 20131122**

Priority

- SE 1230132 A 20121123
- SE 2013000182 W 20131122

Abstract (en)

[origin: WO2014081367A1] A method of adsorption of potassium ions from a peritoneal dialysis fluid, which has been removed from the peritoneal cavity of a patient performing peritoneal dialysis for subsequent recirculation and introduction into the peritoneal cavity of the patient. The peritoneal dialysis fluid is passed through a potassium adsorbent, such as a zeolite, which has been pre-equilibrated with an equilibration fluid comprising Na<sup>+</sup>, Ca<sup>2+</sup>, Mg<sup>2+</sup>, Cl<sup>-</sup>, lactate, in substantially the same concentration as in the peritoneal dialysis fluid and which equilibration fluid lacks K<sup>+</sup>. The zeolite may be titrated with an acid. Alternatively, a zeolite having a Si:Al ratio which is larger than 5:1 is used. Alternatively, a cation exchange material, such as sodium polystyrene sulfonate, is used.

IPC 8 full level

**A61M 1/28** (2006.01); **A61M 1/16** (2006.01); **B01J 39/14** (2006.01); **B01J 39/20** (2006.01); **B01J 49/00** (2006.01)

CPC (source: EP SE US)

**A61M 1/1694** (2013.01 - US); **A61M 1/1696** (2013.01 - EP SE US); **A61M 1/28** (2013.01 - SE US); **A61M 1/284** (2014.02 - EP US); **A61M 1/287** (2013.01 - EP US); **B01J 20/3408** (2013.01 - SE); **B01J 39/14** (2013.01 - EP US); **B01J 49/06** (2016.12 - EP US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**WO 2014081367 A1 20140530**; **WO 2014081367 A8 20150212**; EP 2922586 A1 20150930; EP 2922586 A4 20161116; SE 1230132 A1 20140524; SE 537061 C2 20141223; US 2015297815 A1 20151022

DOCDB simple family (application)

**SE 2013000182 W 20131122**; EP 13856429 A 20131122; SE 1230132 A 20121123; US 201314646789 A 20131122